



NRC Perspectives on Emergency Preparedness – DOE Nuclear Safety Workshop

Mark Thaggard
Deputy Director for Emergency Preparedness
Office of Nuclear Security and Incident Response
U.S. Nuclear Regulatory Commission

Mark.thaggard@nrc.gov

301-415-1068

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Defense-in-Depth Safety Philosophy

- High quality design and construction
- Safety systems
- Containment structures
- Emergency planning



Planning Basis



- NUREG-0396
- Spectrum of accidents should be considered
- Consider both DBA and less severe core-melt accidents
- Established EPZs

EP Plan Requirements



- 10 CFR 50.47(b)
 - 16 Planning Standards
 - Must be met in licensee and State/local plans
 - Generally scenario independent
- 10 CFR 50 Appendix E
 - Requirements for Emergency plans
 - Supports the 16 planning standards
- 10 CFR 50.54(q)
- 10 CFR 50.54(t)

Current Efforts



- Post-9/11 security assessment
 - Emergency planning basis still valid
 - Hostile actions could present unique challenges to an EP program
- SECY-06-0200
- SECY-11-0053
 - www.regulations.gov (NRC-2008-0122)

NRC Actions Following Fukushima Daiichi Event – Task Force

- Near-term Review
- Longer-term Review



NRC Near-Term Review

- Evaluate Fukushima Daiichi Event
- Domestic Operating Reactors/SFPs
 - External Events
 - Station Blackout
 - Severe Accident Measures
 - Severe Accident Mitigation
 - **Emergency Preparedness**
- Recommend any changes to inspection procedures, guidance, or need for generic communication or orders



Considerations for EP

- Evaluation of emergency plans considering:
 - Infrastructure damage
 - Multi-unit events
 - Long-term SBO
- Dose projection & radiation monitoring
- Appropriate use of KI



Task Force Current Assessment

- No issues identified that undermine our confidence in the continued safety and emergency planning of U.S. plants
- Review will likely recommend actions to enhance safety and preparedness
- May 12, 2011 Commission Briefing available at <http://www.nrc.gov/reading-rm/doc-collections/commission/slides/2011/20110512/staff-2011512.pdf>
- Next Commission Briefing June 15, 2011

Thank You!

For additional information go to:

<http://www.nrc.gov/japan/japan-info.html>

